

What is claimed is:

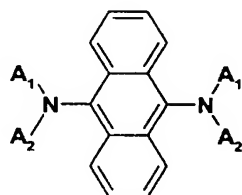
1. An organic organic electroluminescent device, comprising:

a substrate;

First and second electrodes formed on the substrate;

a light-emitting layer formed between the first electrode and the second electrode, the light-emitting layer having a plurality of materials and being a green luminescent material using a chemical formula 1 as a dopant.

[Chemical formula 1]



Wherein, at least one of A₁ and A₂ is selected from a substituted or non-substituted aromatic group, a heterocyclic group, an aliphatic group and hydrogen.

2. The organic electroluminescent device of claim 1, wherein wt. % of the material in the chemical formula 1 is 0.1 - 49.9wt.% of a total weight of the luminescent layer.

3. The organic electroluminescent device of claim 1, wherein materials forming the light-emitting layer together with the material of the chemical formula 1 is structured as a chemical formula 2.

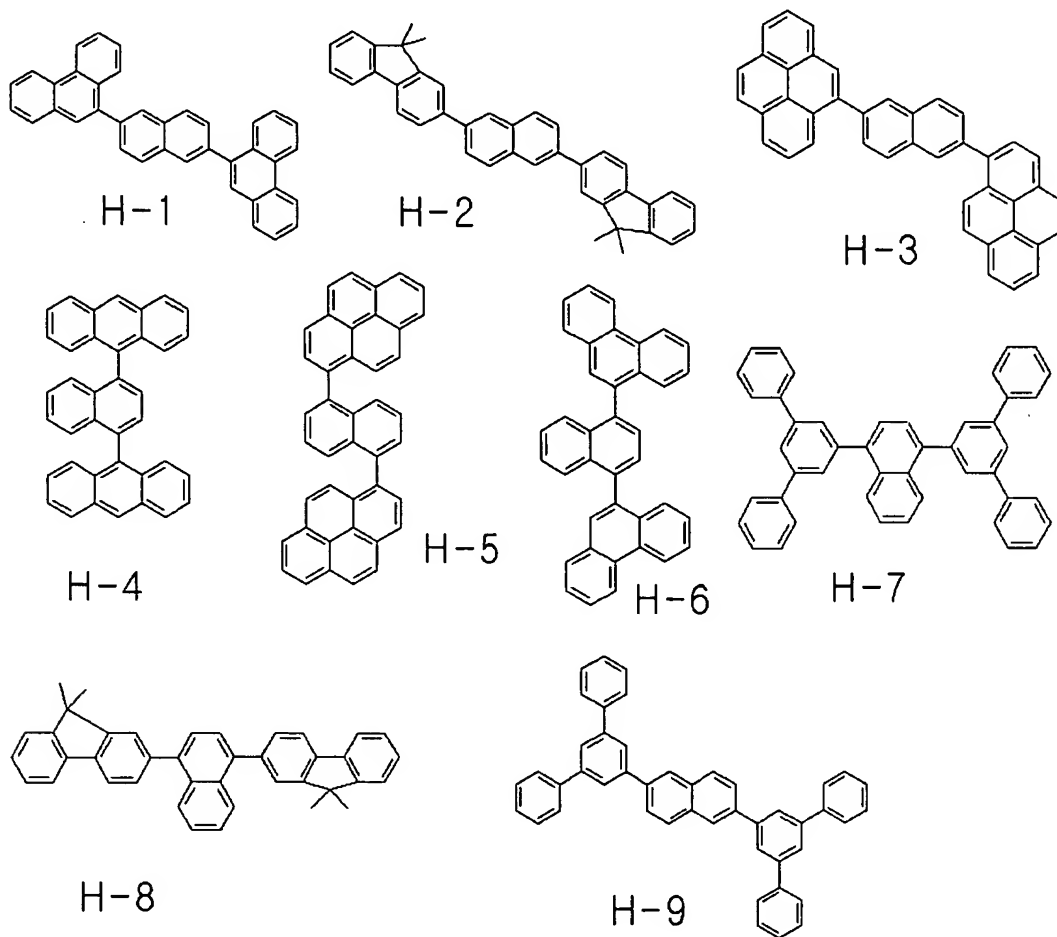
[Chemical formula 2]

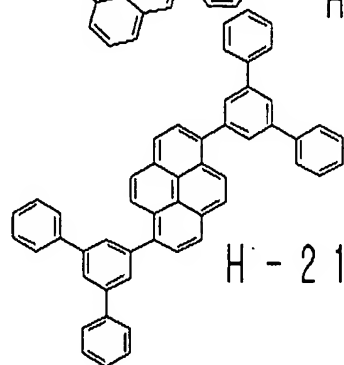
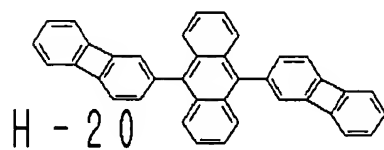
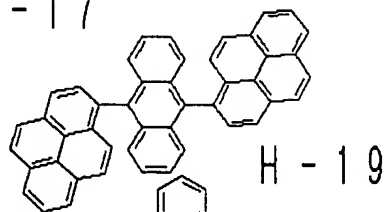
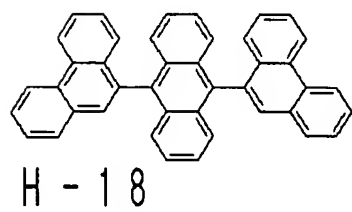
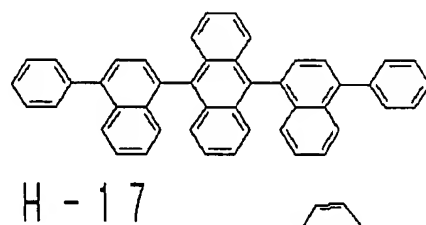
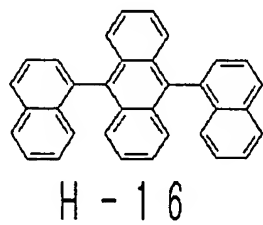
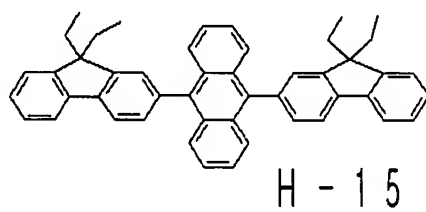
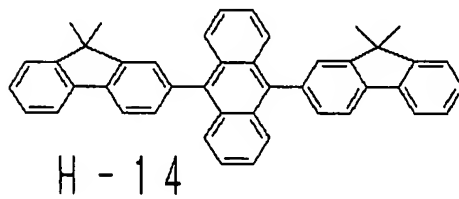
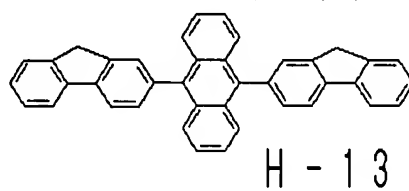
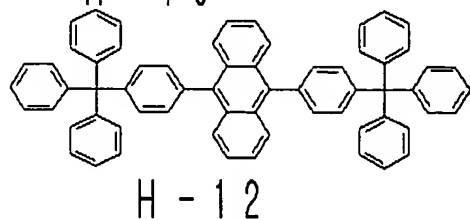
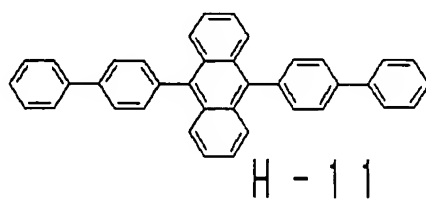
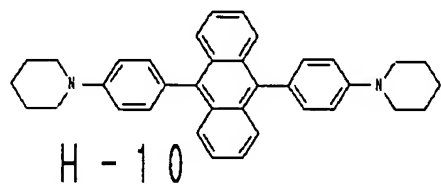
B1 - X - B2

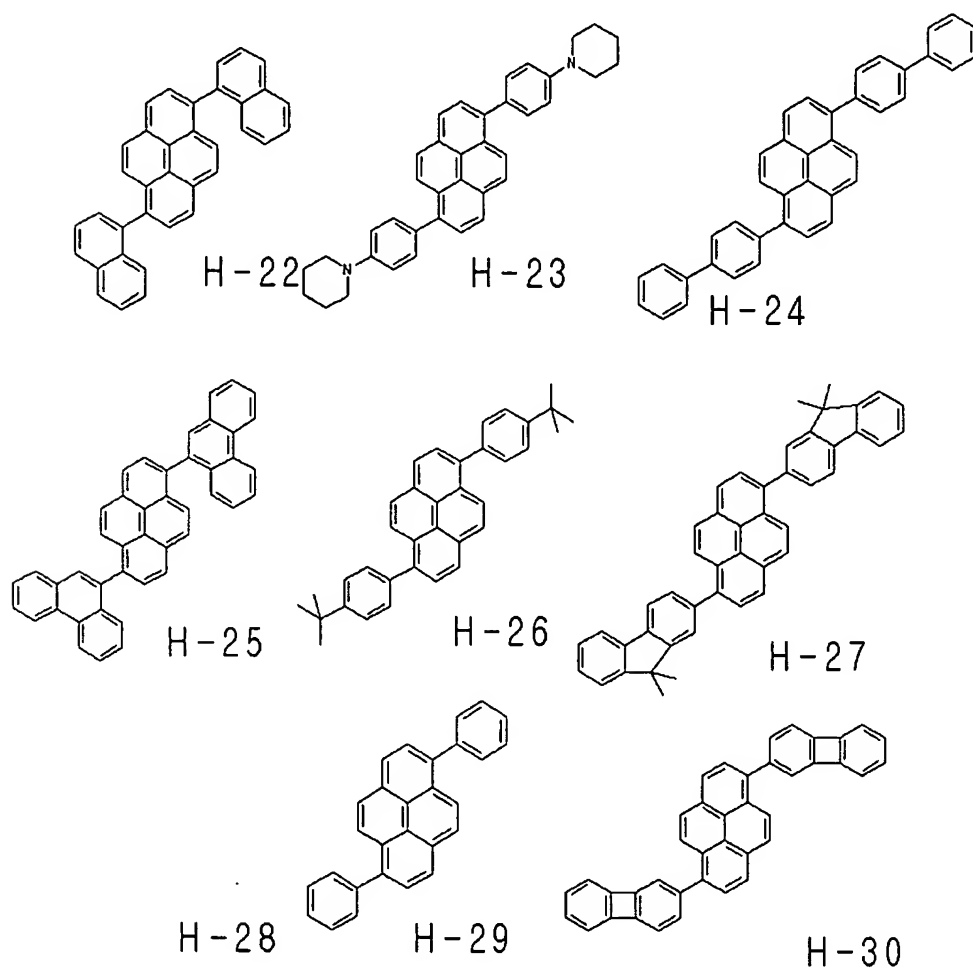
Wherein, the X is selected from a group consisting of naphthalene, fluorine, anthracene, phenanthrene, pyrene, perylene, quinoline, and isoquinoline and at least one of the B1 and B2 is selected from a group consisting of aryl, alkylaryl, alkoxyaryl, arylaminoaryl, alkylamino, and arylallyl.

4. The organic electroluminescent device of claim 3, wherein and at least one of the B1 and B2 is selected from phenyl, biphenyl, pyridyl, naphthyl, tritylphenyl, biphenylenyl, anthryl, phenanthryl, pyrenyl, perylenyl, quinolyl, isoquinolyl, fluorenyl, terphenyl, tolyl, xylyl, methylnaphthyl, and hydrogen.

5. The organic electroluminescent device of claim 1, wherein the material forming the light-emitting layer together with the material of the chemical formula 1 is one of following formulas.





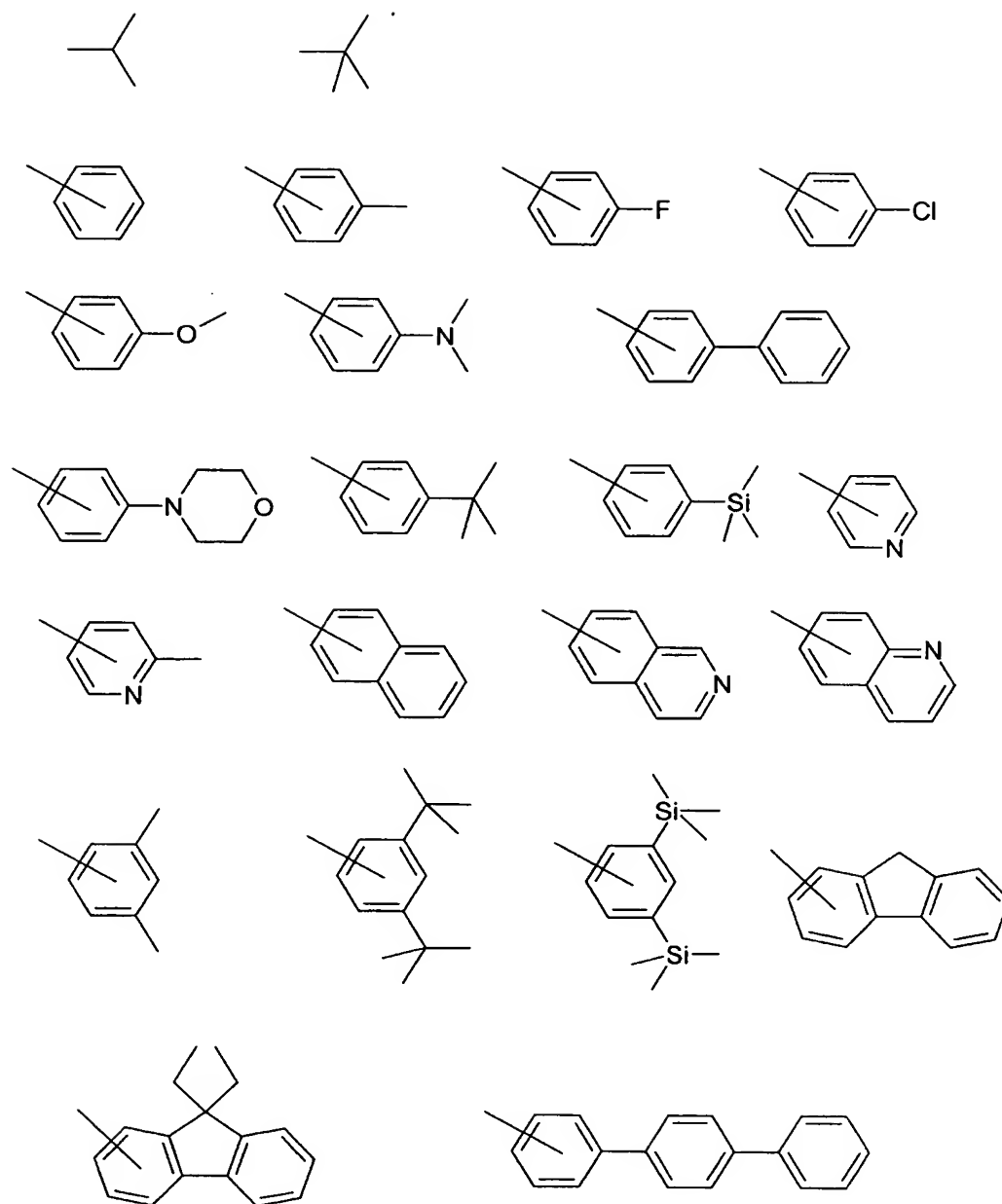


6. The organic electroluminescent device of claim 1, wherein at least one of the A1 and A2 is selected from phenyl, biphenyl, pyridyl, naphthyl, quinolyl, isoquinolyl, fluorenyl, terphenyl, methyl, ethyl, propyl, i-propyl, and t-butyl.

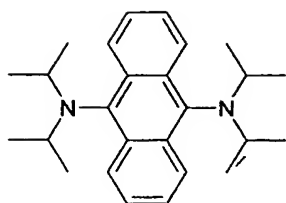
7. The organic electroluminescent device of claim 1, wherein a substituent of each substituted A1 and A2 is at least one and selected from alkyl, aryl, alkoxy, alkylamino, halogen, aryloxy, arylamino, alkylsilyl, arylsilyl and hydrogen.

8. The organic electroluminescent device of claim 7, wherein the substituent is one selected from methyl, ethyl, propyl, i-propyl, t-butyl, cyclohexyl, methoxy, ethoxy, propoxy, butoxy, dimethylamino, trimethylsilyl, fluorine, choline, phenoxy, tolyloxy, dimethylamino, diethylamino, diphenylamino, and triphenylsilyl.

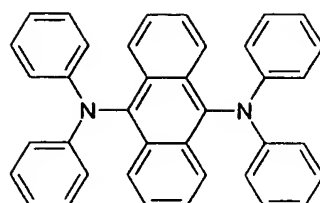
9. The organic electroluminescent device of claim 1, wherein at least one of the A1 and A2 in one of following chemical formulas.



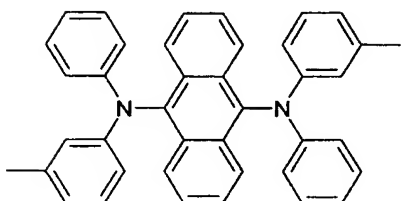
10. The organic electroluminescent device of claim 1, wherein the green luminescent material is at least one of following chemical formulas.



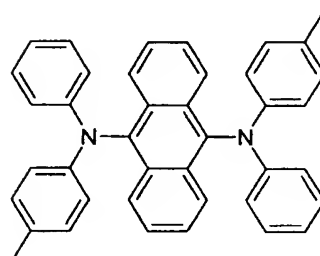
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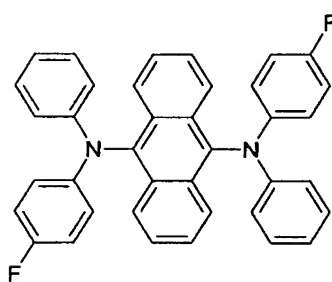
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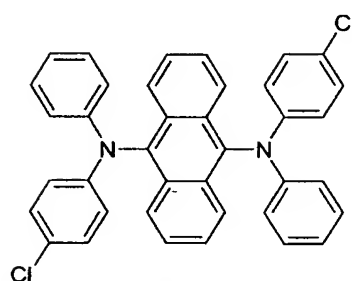
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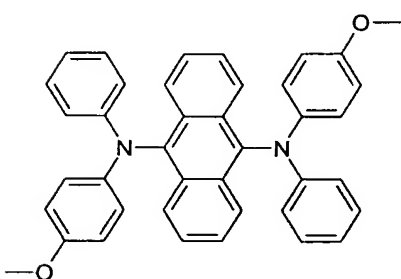
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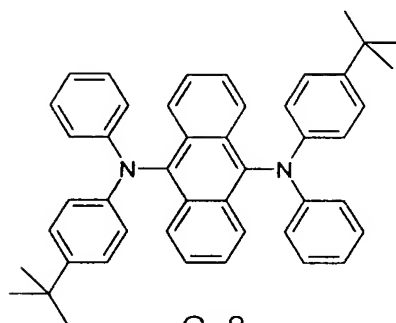
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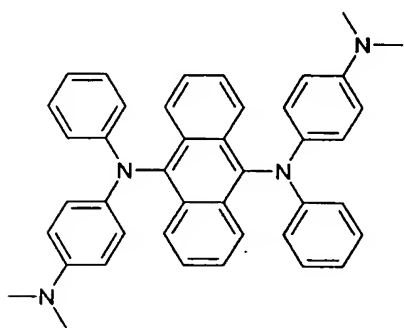
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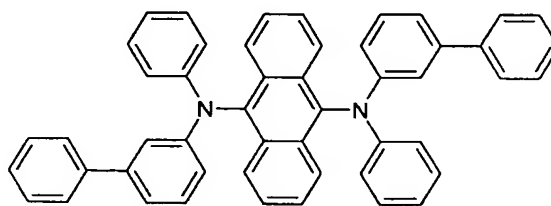
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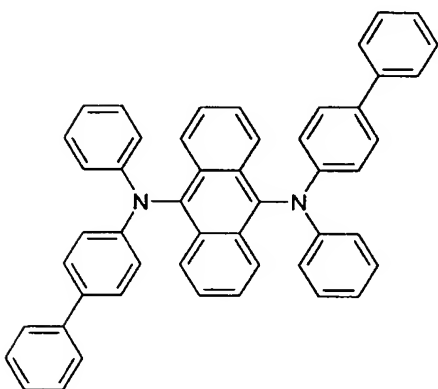
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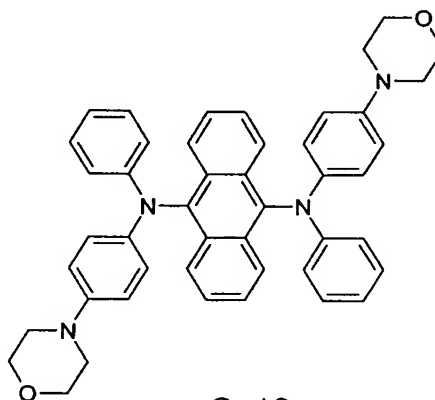
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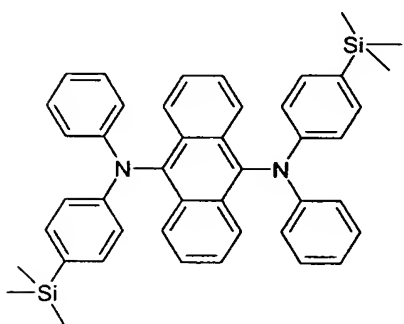
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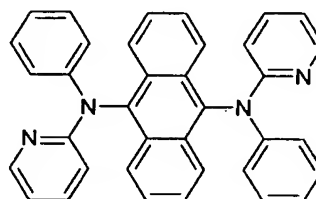
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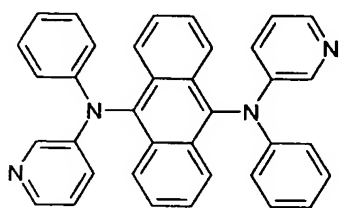
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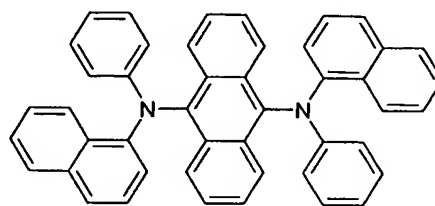
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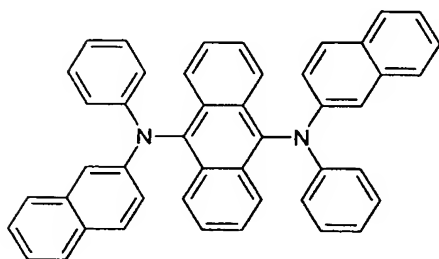
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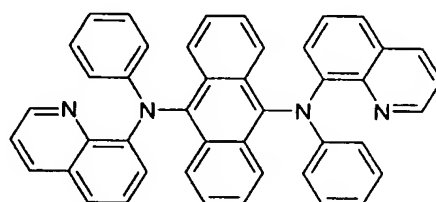
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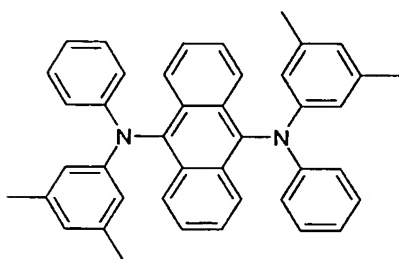
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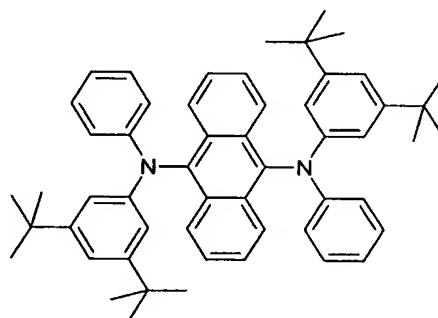
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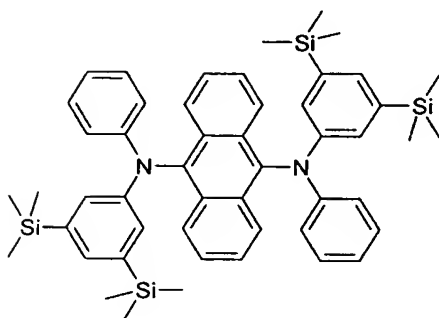
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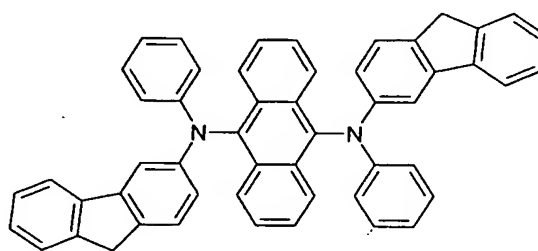
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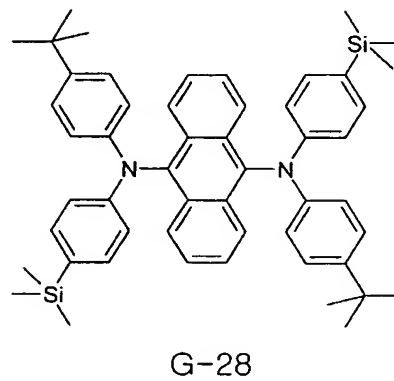
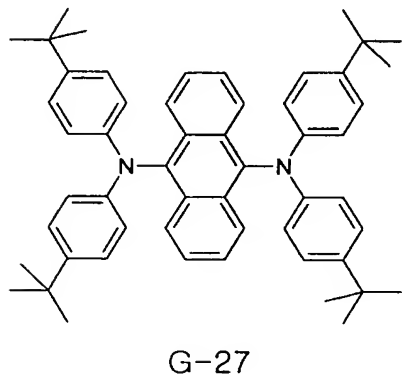
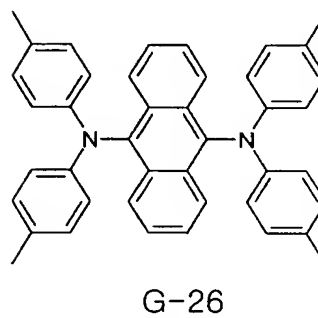
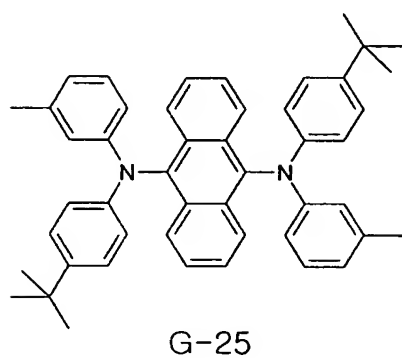
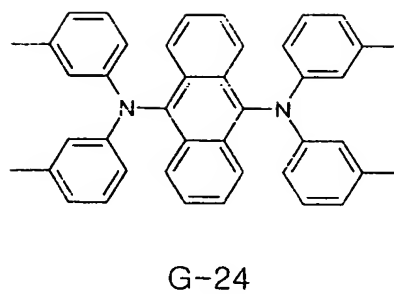
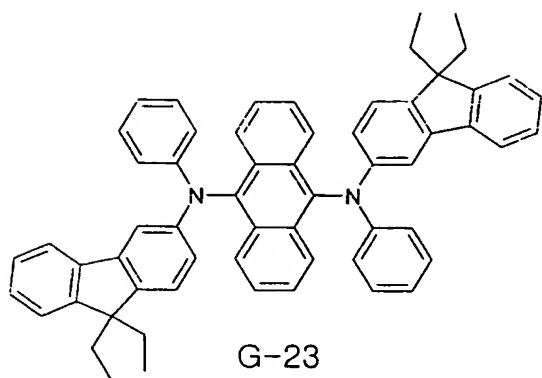
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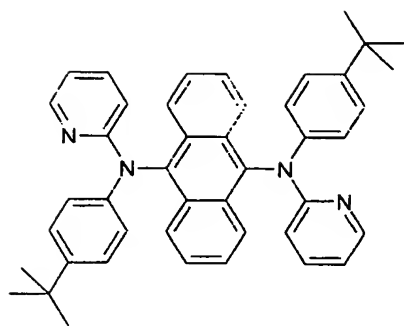


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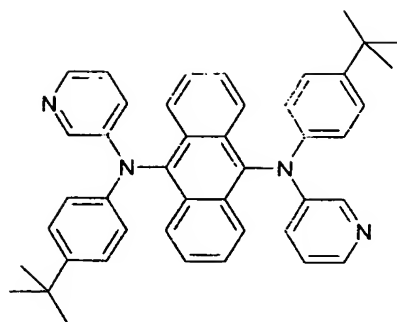


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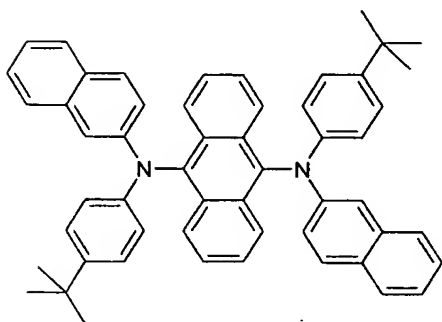




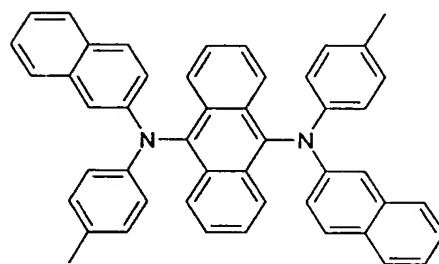
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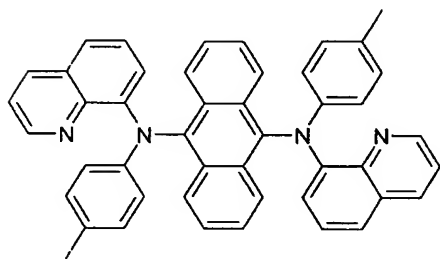
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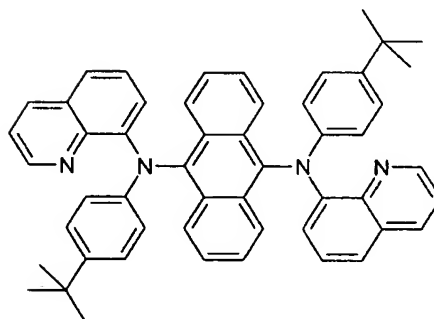
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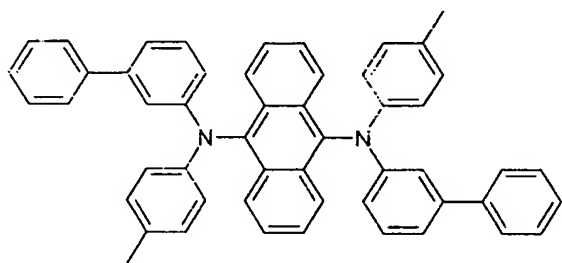
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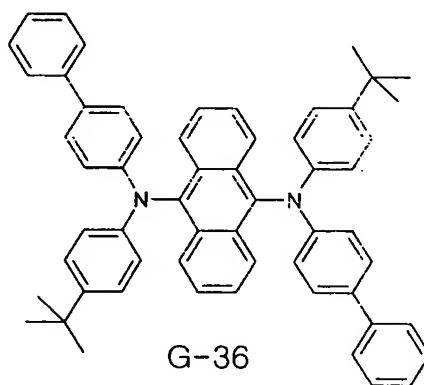
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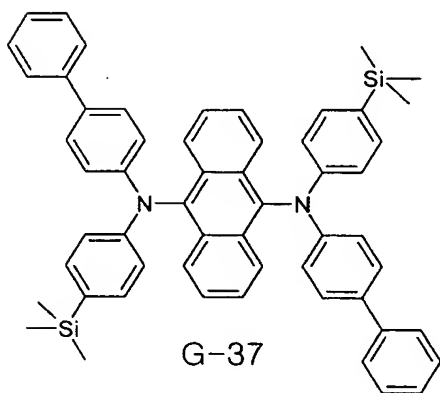
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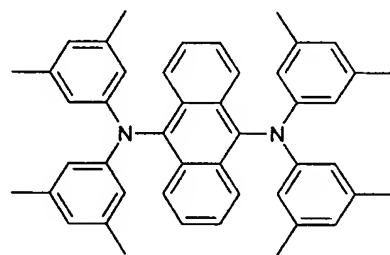
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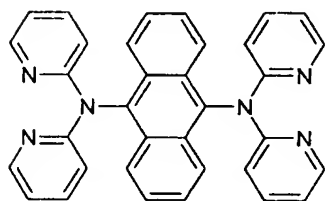
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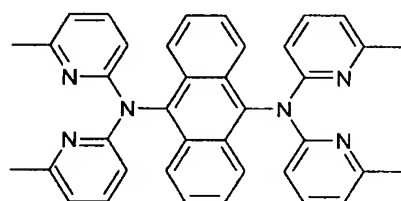
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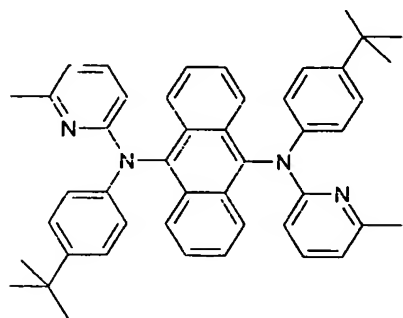
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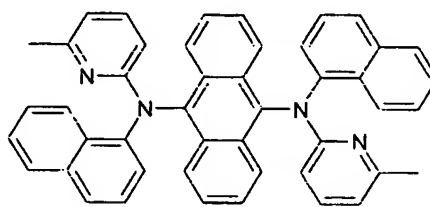
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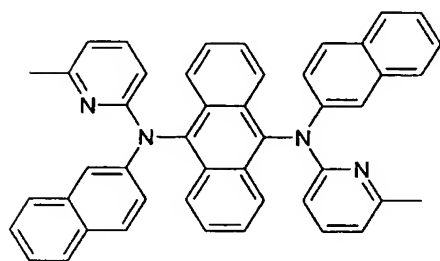
S-40



G-41



G-42



G-43